

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date): 3-18-00 arc:A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(n): Acceptable categories of drawings.	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(q)
Black ink. Color _____	Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
Color drawings are not acceptable until petition is granted. Fig(s) _____	9. SCALE. 37 CFR 1.84(l)
Pencil and non black ink not permitted. Fig(s) _____	Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(b)	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(t)
One full-toner set is required. Fig(s) _____	Lines, numbers & letters not uniformly thick and well defined, clear, durable, and black (poor line quality) Fig(s) _____
Photographs must be submitted in black and white. 37 CFR 1.84(e)	11. SHADING. 37 CFR 1.84(m)
Poor quality (half-tones). Fig(s) _____	Solid black areas pale. Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)	Solid black shading not permitted. Fig(s) <u>2</u> _____
Paper not flexible, strong, white, and durable. Fig(s) _____	Shade lines, pale, rough and blurred. Fig(s) _____
Flexible, alterations, overwritings, underlinings, highlights, copy machine marks not accepted. Fig(s) _____	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
Mylar, vellum paper is not acceptable (too thin). Fig(s) _____	Numbers and reference characters not plain and legible. Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes.	Figures legends are poor. Fig(s) _____
21.0 cm by 29.7 cm (DIN size A4) _____	Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____
21.6 cm by 27.9 cm (8 1/2 x 11 inches) _____	English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____
Accepting sheets not the same size. Sheet(s) _____	Numbers, letters and reference characters must be at least 32 cm (1 1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____
Drawings sheets not acceptable size. Fig(s) _____	13. LEAD LINES. 37 CFR 1.84(g)
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:	Lead lines cross each other. Fig(s) _____
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	Lead lines missing. Fig(s) _____
SIZE: A4 Size	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
SIZE: 8 1/2 x 11	15. NUMBERING OF VIEWS. 37 CFR 1.84(e)
Margins not acceptable. Fig(s) <u>3</u> _____	Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
Top (T) Right (R) Bottom (B)	16. CORRECTIONS. 37 CFR 1.84(w)
6. VIEWS. 37 CFR 1.84(b)	Corrections not made from prior PTO-948 dated _____
REMINDER: Specification may require revision to correspond to drawing changes.	17. DESIGN DRAWINGS. 37 CFR 1.152
Partial views. 37 CFR 1.84(h)(2)	Surface shading shown not appropriate. Fig(s) _____
Brackets needed to show figure as one entity.	Solid black shading not used for color contrast. Fig(s) _____
Fig(s) _____	Fig(s) _____
Views not labeled separately or properly.	
Fig(s) _____	
Enlarged view not labeled separately or properly.	
Fig(s) _____	
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)	
Hatching not indicated for sectional portions of an object.	
Fig(s) _____	
Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	
COMMENTS	

REVIEWER J. CHAISE DATE 11-22-02 TELEPHONE NO. 703 305-8430ATTACHMENT TO PAPER NO. 14.

REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig 1A, Fig. 1B, Fig.1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 amendment at the time of submitting drawings.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Drawings - 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may **NOT** be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawing should be filed as a separate paper with a transmittal letter addresses to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch, of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed change.

Timing of Corrections

Applicant is required to submit the drawings corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.

Attachment for PTO-948 (Rev. 03/01, or earlier)

6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

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